

DERWENT-ACC-NO: 1981-53571D

DERWENT-WEEK: 198130

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**TITLE: Injection moulding nozzle - in which bore has
double
heater winding inside metal tube in ceramic sand
consolidated before use**

INVENTOR: STEGMEIER, H

PATENT-ASSIGNEE: STEGMEIER H[STEGI]

PRIORITY-DATA: 1980DE-3001017 (January 12, 1980)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
DE 3001017 A	July 16, 1981	N/A	013
N/A			

INT-CL (IPC): B29F001/03

ABSTRACTED-PUB-NO: DE 3001017A

BASIC-ABSTRACT:

**A heated nozzle for injection moulding has an insulated
resistance heater wound
round it and an outer thermal insulation. The nozzle and heater
have a coaxial**

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outer sheath, the outer insulation layer consists of ceramic particles between the sheath and nozzle bore, and the sheath plus ceramic materials are consolidated radially before use.

Nozzle has minimal o.d. and optimal heating particularly near to the gate.

CHOSEN-DRAWING: Dwg.2

**TITLE-TERMS: INJECTION MOULD NOZZLE BORE DOUBLE
HEATER WIND METAL TUBE CERAMIC
SAND CONSOLIDATE**

DERWENT-CLASS: A32 X25

CPI-CODES: A11-B12C;

EPI-CODES: X25-A09;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

**Key Serials: 0229 2344 2353 2361 2363 0016 0020 0231 1285
2513 2551 2600 2654
2751**

**Multipunch Codes: 011 03- 371 376 388 461 504 011 04- 141 151
27- 331 371 376
435 506 509 541 575 596 623 629 684 723**

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